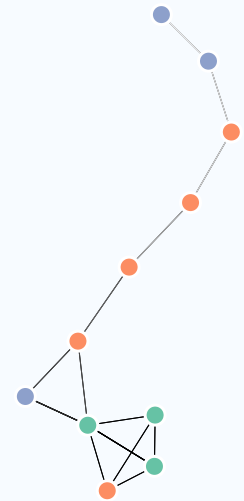# KENT MERDES

Currently searching for a position that allows me to build tools leveraging a combination of visualization, machine learning, and engineering to help people explore and understand their data in new and useful ways.

🎓 EDUCATION

2017 | 2015

M.S., Predictive Analytics/Data Science
Northwestern University   📍 Evanston, IL

- Professional Studies program in Predictive Analytics and Data Science. Working languages included R, SAS, and Python
- Advanced Machine Learning specialization track.
- Final Capstone utilized High Performance Computing Cluster to train and test machine learning models to predict high impact crime on City of Chicago large crime data set

2001 | 1999

M.Ed., Secondary Education
University of Notre Dame   📍 Notre Dame, IN

- Emphasis on Secondary Mathematics and Physics Education

1999 | 1995

B.S., Mechanical Engineering
Villanova University   📍 Villanova, PA

💼 INDUSTRY EXPERIENCE

2020 | 2018

Assistant Director Enrollment Analytics
Embry-Riddle Aeronautical University   📍 Daytona Beach, FL

- Design and build descriptive, predictive, and prescriptive models for the residential Enrollment Management Department here at Embry-Riddle Aeronautical University. Areas of focus include student recruitment, student retention, financial aid, and student enrollment.
- Led residential enrollment reporting workflows, including modeling, visualizations, reporting, and data governance
- Developed predictive models for enrollment management student funnel including deposit prediction, melt prediction, retention, and financial leveraging.

2020 | 2015

Regional Manager
Enviro Probe, Inc.   📍 Orlando, FL

- Conduct Phase 1 Environmental Site Assessments and property condition assessments in the environmental due diligence field for clients and properties all over the US. Projects include commercial properties ranging from large multi-family residential properties to industrial sites. Experienced in projects financed through the Small Business Administration (SBA), Fannie Mae, and Freddie Mac.

View this CV online with links at *nickstrayer.me/datadrivencv/*

CONTACT

- ✉ k.merdes@gmail.com
- 🔗 linkedin.com/in/kmerdes
- 📞 (803) 504-8812

LANGUAGE SKILLS

Skill
R
SQL
Salesforce
Python
Tableau
AWS
SAS

2020
|
2020

Data Scientist
SEM Works

 Remote

· Provide data science-focused support and guidance to Enrollment Management teams at various higher educational institutions

TEACHING EXPERIENCE

2020
|
2020

Business Analytics Adjunct Faculty
Embry-Riddle Aeronautical University

 Worldwine Online

· Course Instructor BUAN 301 - Evidence-Based Management: The Need for Data

2015
|
2013

Physics Teacher
American International School Vienna

 Vienna, Austria

· Primary teaching responsibilities included International Baccalaureate (IB) Physics Standard and Higher Level and Introduction to Physical Science courses. As a strong advocate for technology integration and project-based learning, spearheaded the implementation of a Capstone Final Project assessment for all Grade 9 students.

2013
|
2007

Science Head of Department, AP Coordinator, Physics Teacher
Shanghai American School

 Shanghai, China

· Led secondary science department through large enrollment growth cycle, curricular redesign, and science facilities upgrades. Oversaw the Advanced Placement (AP) Program school-wide with tasks ranging from professional development to test management and logistics. Instructor and course designer for Advance Placement Physics C, General Physics, and International Baccalaureate (IB) Standard and Higher Level Physics courses.

2007
|
2003

Math and Physics Teacher
American International School Vienna

 Vienna, Austria

· Taught various STEM courses including IB Physics and AP Statistics.

2003
|
2001

Physics Teacher
Charlotte Catholic High School

 Charlotte, NC

· Taught Honors Physics and Physical Science courses.

CV %<>% print_section('data_science_writings') ```

I am passionate and enthusiastic educator. I believe my experience in the classroom translates beyond teaching and learning and into my various professional roles.